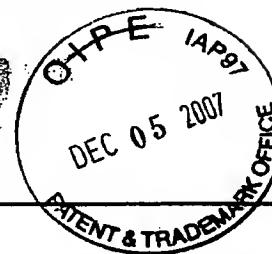


WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION



IP SERVICES



Home IP Services PATENTSCOPE®



Search result: 1 of 1

(WO/2004/088037) PAPER- OR CARDBOARD-BASED SECURITY PRODUCT

Biblio. Data Description Claims National Phase Notices Documents

Latest bibliographic data on file with the International Bureau

Publication Number: WO/2004/088037 International Application No.: PCT/FI2004/000202
Publication Date: 14.10.2004 International Filing Date: 01.04.2004

Int. Class.: D21H 21/48 (2006.01), G07D 7/02 (2006.01)

Applicants: M-REAL OYJ [FI/FI]; Revontulentie 6, FI-02100 Espoo (FI) (All Except US).
ACREO AB [SE/SE]; Electrum 236, S-164 40 Kista (SE) (All Except US).
AHO, Outi [FI/DK]; Kastelsvej 17, DK-2100 Copenhagen (DK) (US Only).
GÄDDA, Lars [FI/FI]; Erssintie 7 C 9, FI-02750 Espoo (FI) (US Only).
MUSTONEN, Tuomas [FI/FI]; Humppakuja 6 B 13, FI-40520 Jyväskylä (FI) (US Only).
KNUTHAMMAR, Björn [SE/SE]; * (US Only).
ERIKSSON, Bo [SE/SE]; * (US Only).
BERGGREN, Magnus [SE/SE]; * (US Only).
NORBERG, Petronella [SE/SE]; * (US Only).
KUGLER, Thomas [SE/SE]; * (US Only).
REMONEN, Tommi [SE/SE]; * (US Only).

Inventors: AHO, Outi [FI/DK]; Kastelsvej 17, DK-2100 Copenhagen (DK).
GÄDDA, Lars [FI/FI]; Erssintie 7 C 9, FI-02750 Espoo (FI).
MUSTONEN, Tuomas [FI/FI]; Humppakuja 6 B 13, FI-40520 Jyväskylä (FI).
KNUTHAMMAR, Björn [SE/SE]; *.
ERIKSSON, Bo [SE/SE]; *.
BERGGREN, Magnus [SE/SE]; *.
NORBERG, Petronella [SE/SE]; *.
KUGLER, Thomas [SE/SE]; *.
REMONEN, Tommi [SE/SE]; *.

Agent: SEPO LAINO OY; Itämerenkatu 3 B, FI-00180 Helsinki (FI).

Priority Data: 20030492 01.04.2003 FI

Title: PAPER- OR CARDBOARD-BASED SECURITY PRODUCT

Abstract: A paper- or cardboard-based security product and a method of manufacturing it. The product comprises a paper or a cardboard which is equipped with an identifiable security symbol. According to the present invention, the security symbol comprises a layer in the product, one which consists of a synthetic, electrically conductive polymer, the conductivity of which has been changed locally to form an electrically conductive or, alternatively, electrically non-conductive figure. Furthermore, a figure indicating the security symbol has been fitted on the surface of the paper or the cardboard product. A security product according to the present invention can be produced simply by first applying a conductive polymer, for instance in a non-conductive form, onto a paper, after which an acidic figure is printed in such a way that the area below the figure becomes conductive. The figure can be detected and in this way it acts as a guarantee of authenticity for the product.

Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, L, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

African Regional Intellectual Property Org. (ARIPO) (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW)

Eurasian Patent Organization (EAPO) (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)

European Patent Office (EPO) (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR)

African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Publication Language:

English (EN)

Filing Language:

Finnish (FI)